



Properties and applications*

Properties	Standard-Processes		Special coatings by Spitzke			
	Hardchromium	Electroless Nickel	Spitzke-Chromcarbid®	Duktılchrom®	Hardflon®	Nipflon®
Durability	●●○○○	●○○○○	●●●●○	●●●●○	●●○○○	●○○○○
Abrasion resistance (Taber Abaser)	●●●○○	●○○○○	●●●○○	●●●●○	●●●○○	●●○○○
Adhesion	●●●○○	●●○○○	●●●●●	●●●●○	●●●○○	●●○○○
Adhesion after heating	●●●○○	●●●○○	●●●●●	●●●●○	●●●○○	●●●○○
Stability	●●●○○	●●○○○	●●●●●	●●●●●	●●●○○	●●○○○
Ability for plating to size	●●●○○	●●●●●	●●●●○	●●●●○	●●●○○	●●●●●
Ability for 4-6µm thin-layer	●●○○○	●●●○○	●●●●●	●●●●●	none	●●●○○
Corrosion resistance thickness 20µm	●●○○○	●●●●●	●●●○○	●●●○○	●●○○○	●●●●●
Sliding friction	●●●○○	●●○○○	●●●●○	●●●○○	●●●●●	●●●●●

Applications	Standard-Processes		Special coatings by Spitzke			
	Hardchromium	Electroless Nickel	Spitzke-Chromcarbid®	Duktılchrom®	Hardflon®	Nipflon®
Bush bearing	●●○○○	●○○○○	●●●●●	●●●●○	●●○○○	●●○○○
Certification Food/Drug	●○○○○	none	●●●●○	●●●●○	none	none
Ability for repair	●●●●●	●●●●○	●●●○○	●●●○○	none	none
Casting tools	●●●○○	●●●○○	●●●●●	●●●●○	●●○○○	●●●●○
Hydraulic engineering	●●●○○	●●●○○	●●●●○	●●●●○	none	none
Parts for pumps	●●●○○	●●○○○	●●●●●	●●●●○	●●●●○	●●○○○
Aircraft industry	●●●●○	●●●●○	●●●●●	●●●●●	●●●○○	●●●●○
Automobile industry	●●●○○	●●●●○	●●●●●	●●●●○	●●●○○	●●●●○
Mechanical forming	●●○○○	none	●●●●●	●●●●○	●●●●○	●●○○○
Textile industry	●●●○○	●●●○○	●●●●○	●●●●●	●○○○○	●●●○○
Cutting	●●●○○	●●○○○	●●●●○	●●●●●	none	●●○○○
Machining	●○○○○	none	●●●●○	●●●●●	none	●○○○○
Rubber tools	●●●●○	●●●○○	●●●○○	●●●●○	●●○○○	●●●●●

Note: the more ● the merrier

* The shedule shows only a comparision of the detailed processes and no absolute evaluation of the detailed processes.